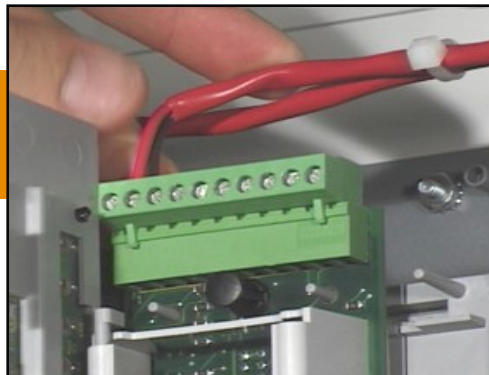




# ***EST3...***

**Your Total Life  
Safety  
Solution!**

Plug & Protect





# International Design

- **Compliance with Global Codes and Standards**
- **Multilingual**
- **Bilingual**
- **Manufactured in accordance with ISO 9001 Quality Standards**
- **Site Configurable**

***Pick the Market ---  
EST3  
Adapts***





# Unsurpassed Maintainability

- **Device History**
- **Device Diagnostics**
- **Circuit Mapping**
- **System Diagnostics**
- **Service Groups**
- **Downloadable  
“Firmware”**



***Ready Maintenance =  
Reliable  
Protection***



# **Reliability & Survivability**

## **EST3 Intelligent**

## **Network Fire Alarm**

## **Control Panels**

- **Distributed Processing for the Ultimate in System Survivability**
- **Signature Device Communications for Fast, Accurate Reporting of System Events**
- **8 Channel Digital Audio for Concise Emergency Evacuation and Messaging**
- **High Speed Rail Communications Within Each Node for Maximum Performance**

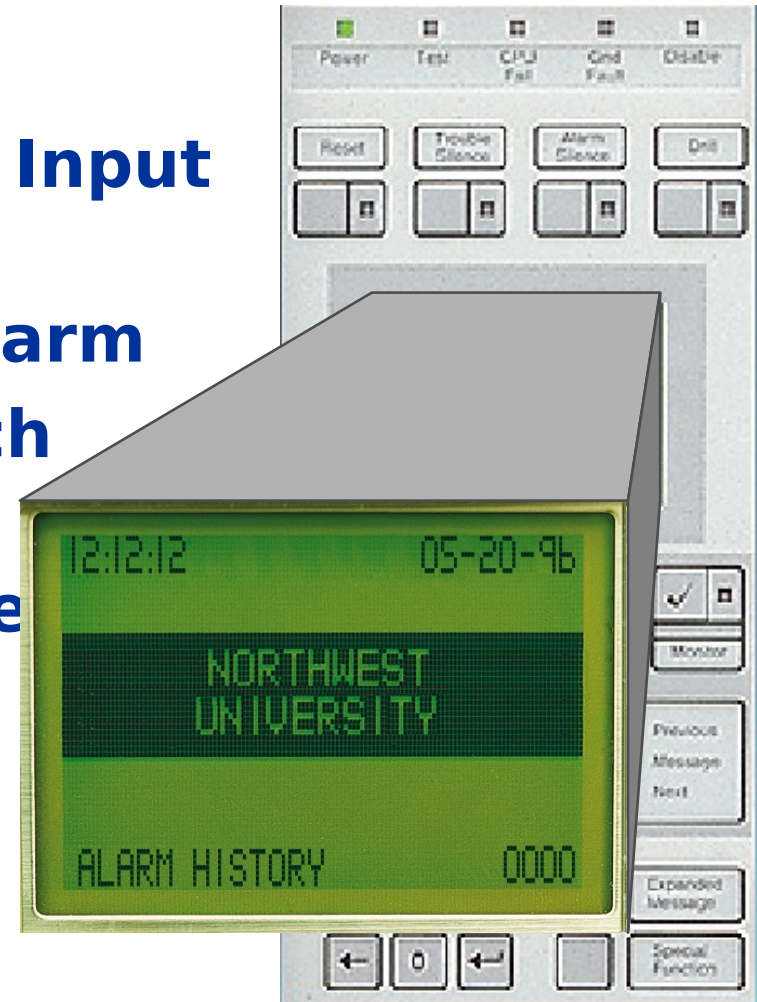




# Improved User Controls

- Large System Display
- 2-Line Message for Each Input Point
- First and Most Recent Alarm
- Separate Queues for Each Type of Event
- Messages can be Vectors to Any Display on the Network

*Faster Reaction to Critical Events*

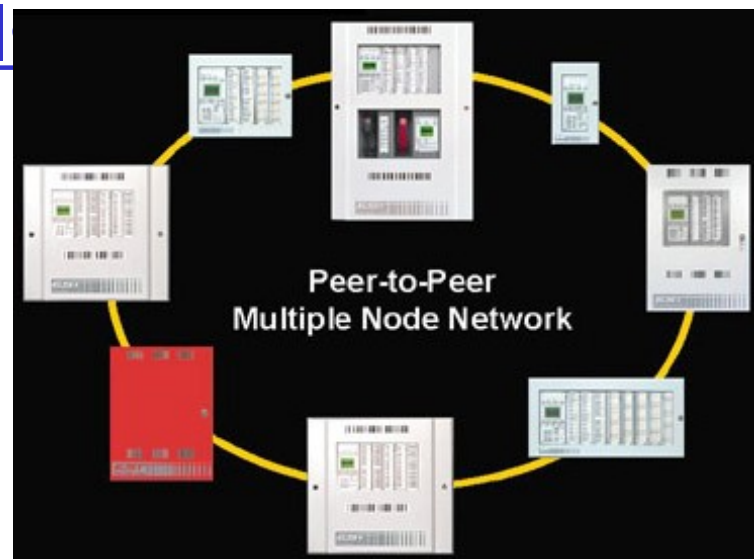




# Expandability for the Future

## EST3 Intelligent Network Fire Alarm Control Panel

- True Peer-to-Peer Network of Intelligent Control Panels
- Virtually Unlimited Networking Options
- Variety of Remote Cabinets to Fit Any Application
- Add Synergy Enabled Products to the Panel to Create a Completely Integrated Fire & Security System
- Style 7 Operation at No Additional Cost





# Reduced Installation Time



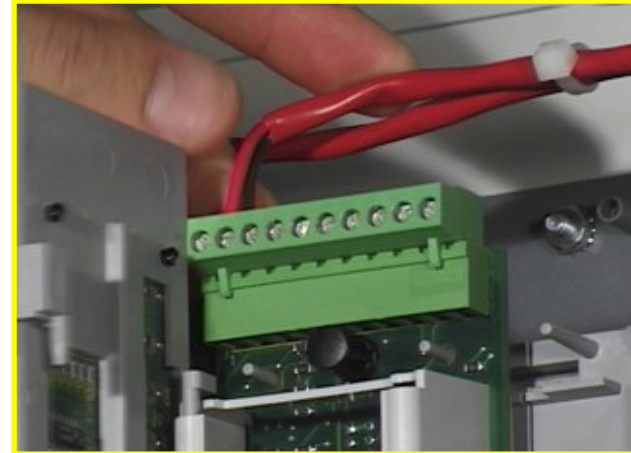
- **Use Any Wire for Field Devices**
- **Fast Electronic Addressing**
- **Device Diagnostics Locate Problems Fast**

***Faster Installation = Lower Cost***

# Plug & Protect Architecture

- Modules Snap In ---  
No Tools Required
- Plug & Cable for  
Internal Connections
- No Addressing of  
Panel Electronics
- All Field Wiring  
Terminals are  
Removable

*Reduced Installation  
and Maintenance*







# EST3 Systems Definition Utility

**Object Configuration**

**Object Configuration**

**Cabinet** **LRM** **Device Type** ☐ **Address Range** ☐

ALL CABINETs ALL LRMs ALL DEVICE TYPEs All Devices

Pick	Cabinet Label	LRM Label	Device Type	Address	Label Text
<input checked="" type="checkbox"/>	B1_C1	3-LCD1	3-LCD	0	3-LCD1
<input type="checkbox"/>	B1_C1	3-CCU1	3-CPU	0	3-CCU1
<input type="checkbox"/>	B1_C1	3-CCU1	LOCAL TROUBLE	600	Annunciator Supervision 01 01
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			
<input type="checkbox"/>	B1_C1	3-CCU1			

**Pre Fabricated Label Editor**

LED

Pre Fabricated Labels

LED

PULL

SMOKE

SWITCH

Change

Add

Delete

Start \* Value: 1

☒ Increment ☐ Decrement

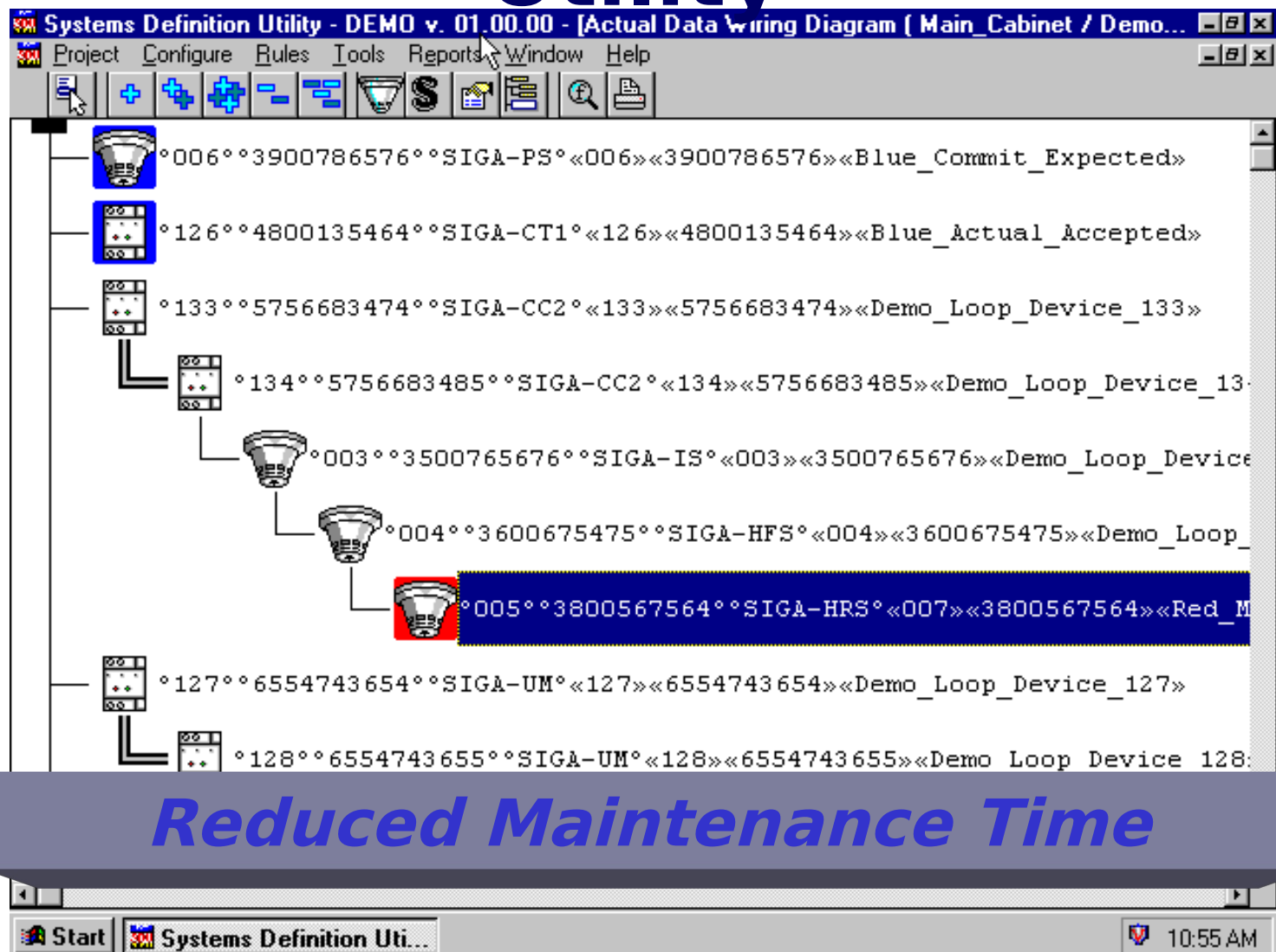
Attach

Cancel

**Reduced Programming Time = Cost Savings = Higher Margins**



# EST3 Systems Definition Utility





# EST3 Systems Definition Utility

**DSDC Status**

Cabinet: B1\_C1    DSDC Card: B1\_C1\_DSDC1    Loop: 1    Com Port: Com2    Baud Rate: 9600

<input type="radio"/> Internal Fault	<input type="radio"/> Balanced Map
<input type="radio"/> Data Checksum Trouble	<input type="radio"/> Programming Mode
<input type="radio"/> Code Checksum Trouble	<input type="radio"/> RAM Fault
<input type="radio"/> Data Card Fault	<input type="radio"/> Stack Fault
<input type="radio"/> Line Fault	<input type="radio"/> Map Pending
<input type="radio"/> Map Fault	<input type="radio"/> Dev. New Starts In Progress
<input type="radio"/> Mapping In Progress	<input type="radio"/> Stand Alone
<input type="radio"/> Map Disabled	<input type="radio"/> Stand Alone Alarm
<input type="radio"/> Dirty Device	<input type="radio"/> Data Card Ground Fault
<input type="radio"/> Unprogrammed Device Alarm	<input type="radio"/> Device Ground Fault
<input type="radio"/> Ground Fault	<input type="radio"/> Delta Suspended
<input type="radio"/> Line Initialization	<input type="radio"/> System Reset
<input type="radio"/> Annunciator Fault	<input type="radio"/> Data Card Startup Fault
<input type="radio"/> Bootloader Mode	<input type="radio"/> Smoke Power Fault
<input type="radio"/> Data Card Communication Fault	<input type="radio"/> Unprogrammed Device Trouble
<input type="radio"/> Data Card Internal Fault	

Current Status / Status Log / Progress

Waiting to Establish Communications    Delay: 5 sec.

*Easy-to-Read Status Displays*



# EST3 Systems Definition Utility

**DSDC Status**

Cabinet: B1\_C1    DSDC Card: B1\_C1\_DSDC1    Loop: 1    Com Port: Com2    Baud Rate: 9600

<input type="radio"/> Internal Fault	<input type="radio"/> Balanced Map
<input type="radio"/> Data Checksum Trouble	<input type="radio"/> Programming Mode
<input type="radio"/> Code Checksum Trouble	<input type="radio"/> RAM Fault
<input type="radio"/> Data Card Fault	<input type="radio"/> Stack Fault
<input type="radio"/> Line Fault	<input type="radio"/> Map Pending
<input checked="" type="radio"/> Map Fault	<input type="radio"/> Dev. New Starts In Progress
<input type="radio"/> Mapping In Progress	<input type="radio"/> Stand Alone
<input type="radio"/> Map Disabled	<input type="radio"/> Stand Alone Alarm
<input checked="" type="radio"/> Dirty Device	<input type="radio"/> Data Card Ground Fault
<input type="radio"/> Unprogrammed Device Alarm	<input checked="" type="radio"/> Device Ground Fault
<input type="radio"/> Ground Fault	<input type="radio"/> Delta Suspended
<input type="radio"/> Line Initialization	<input type="radio"/> System Reset
<input type="radio"/> Annunciator Fault	<input type="radio"/> Data Card Startup Fault
<input type="radio"/> Bootloader Mode	<input type="radio"/> Smoke Power Fault
<input type="radio"/> Data Card Communication Fault	<input type="radio"/> Unprogrammed Device Trouble
<input type="radio"/> Data Card Internal Fault	

Current Status / Status Log / Progress

Delay 3 sec.

*Troubleshooting Made Simple*





# EST3 Systems Definition Utility

Systems Definition Utility - DEMO v. 01.00.00 - [Actual Data Wiring Diagram ( Main\_Cabinet / Demo...]

Project Configure Rules Tools Reports Window Help

°006°°3900786576°°SIGA-PS°«006»«3900786576»«Blue Commit\_Expected»

°126°°4800

°133°°5756

°134°

°127°°6554

°128°

°131°°6565

°001°

**Actual vs. Expected Data**

Last Action: Data Uploaded

Device Label Yellow\_Mismatched\_Alarm\_Verify

Device Type HEAT

	Actual Data	Expected Data
Designation	Module	Module
Device Address	131	131
Serial Number	6565673455	6565673455
Model	SIGA-CT1	SIGA-CT1
Personality	1	1
Alarm Verify	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alt Alarm Verify	<input type="checkbox"/>	<input type="checkbox"/>
Standalone Alarm	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Actual\_Accepted»

oop\_Device\_133»

emo\_Loop\_Device\_13»

op\_Device\_127»

no\_Loop\_Device\_128»

Mismatched\_Alarm\_

emo\_Loop\_Device\_1»

***Comparison Down to Device Level ---  
“Eliminates Human Error”***



# Audio Evacuation & Firefighter's Telephone

*Paging Microphone*

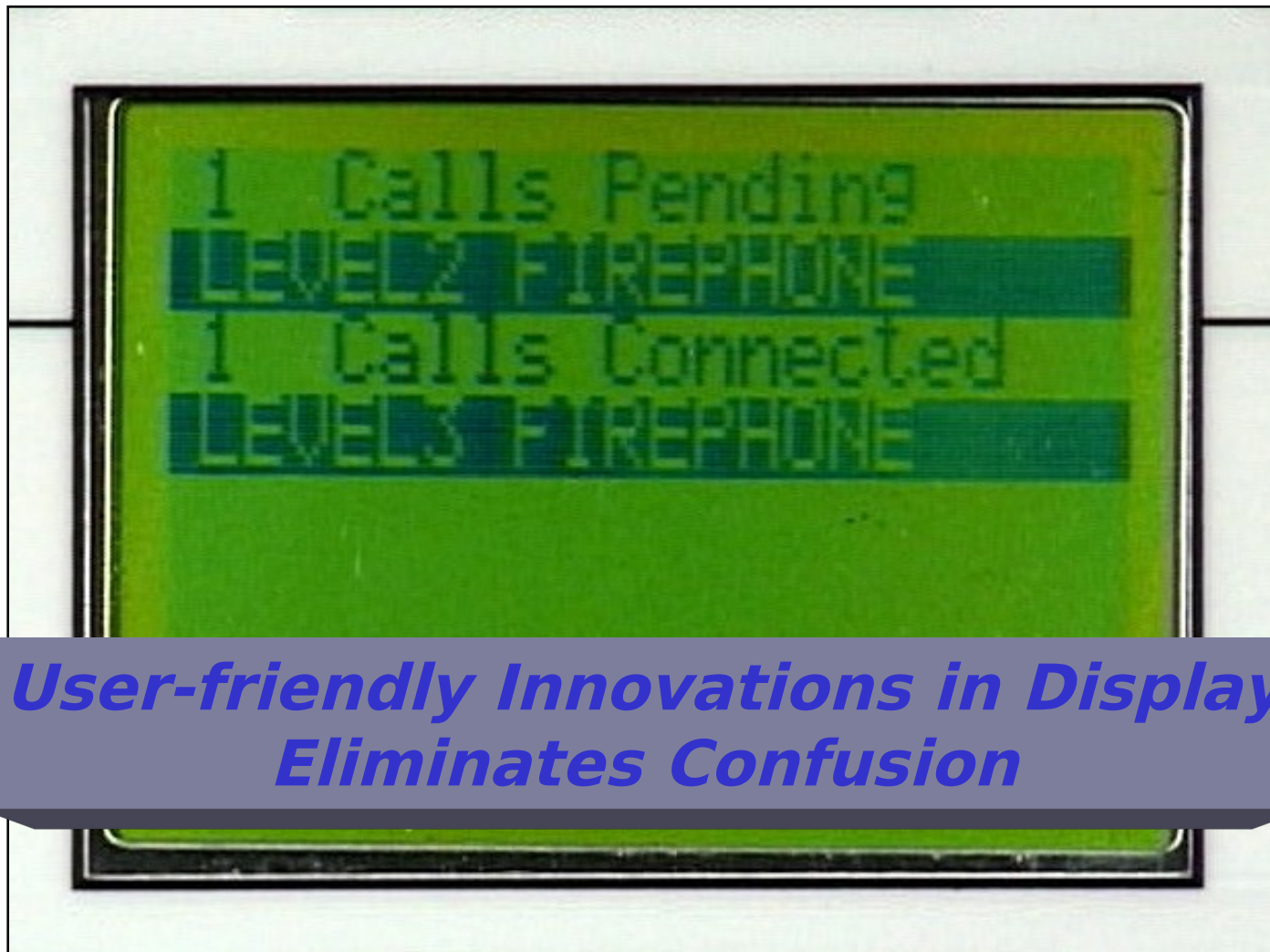
*Firefighter's Telephone*



***Provides 2 Minute Message in a Standard Package***



# Audio Evacuation & Firefighter's Telephone

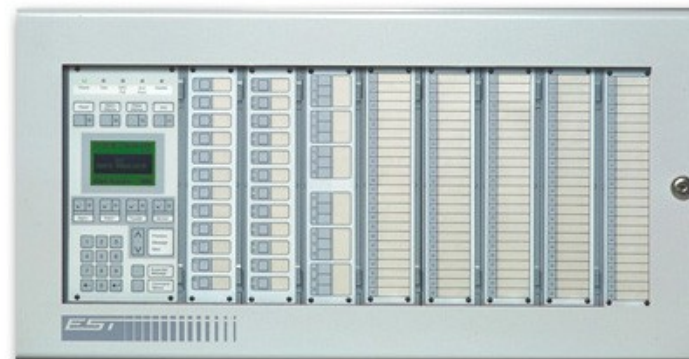


*User-friendly Innovations in Display  
Eliminates Confusion*



# Remote Annunciator Panels

- Direct RS485 Panel to Panel Communications
- Globally Routed or Local Annunciation at Each LCD for Any Size Network
- Complete Network Control Capability at Any or All Annunciators
- All Programming Done Through the EST3 SDU

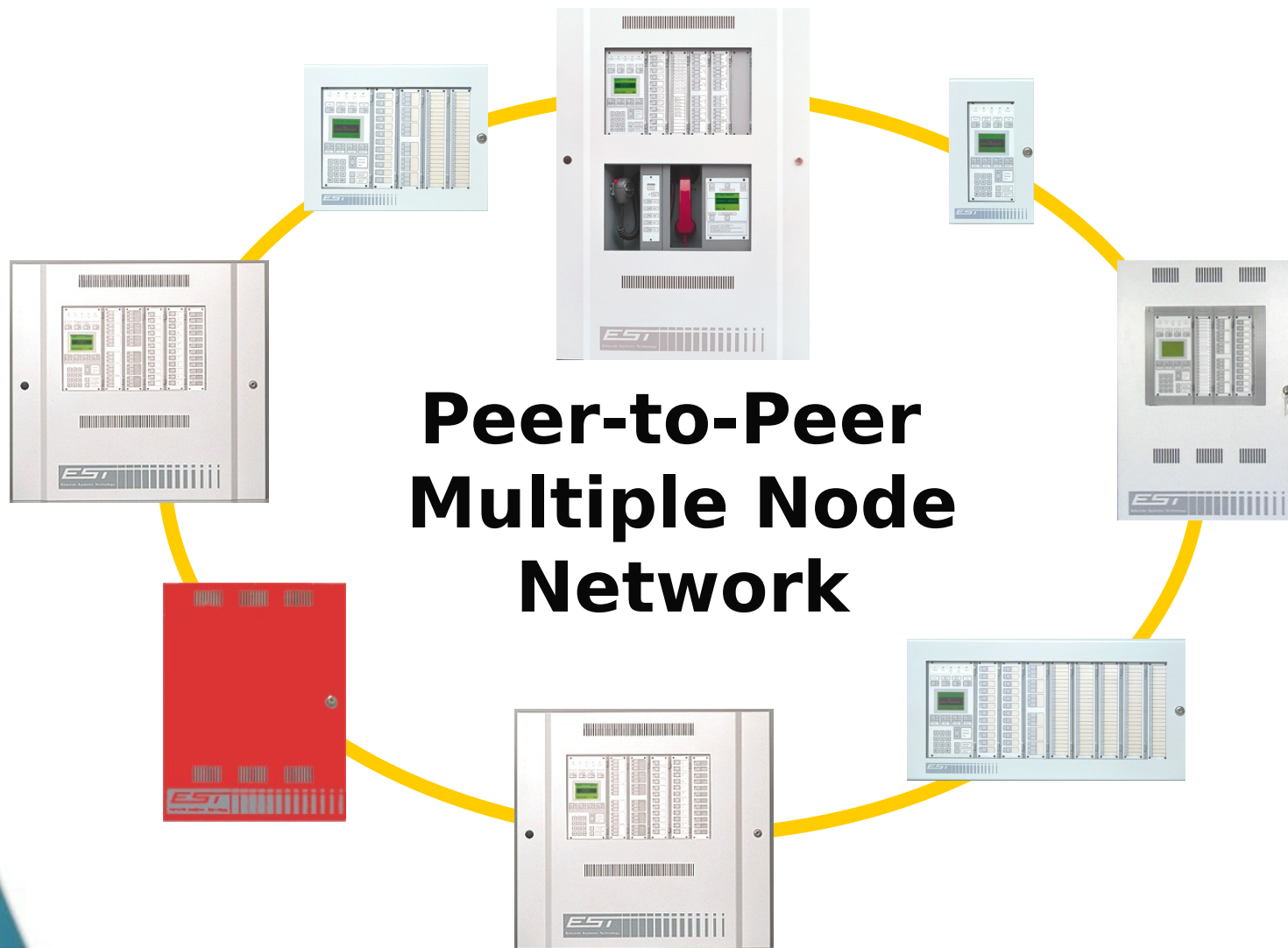


***Best Price / Performance Ratio in the Industry***





# EST3 Networking



# ***EST3..***

The Solution to  
All of Your  
Life Safety  
Needs

